

Technical Documentation
J&A Number 07-427C H-764G EGI
J&A Template: One Source v1D

Justification for Other than Full and Open Competition

6.302-1 Only one responsible source and no other supplies or services will satisfy agency requirements.

Please fill in all of the required details below.

T1. J&A Description:

J&A Number: 07-427C
Acquisition Name: H-764G EGI

T2. Technical Point of Contact: Joe Bell.

WHAT is being acquired?

T3. Concisely describe the nature of this acquisition: This Class Justification and Approval authorizes and approves the issuance of sole source orders under Basic Ordering Agreement (BOA) # N00421-09-G-0003 with Honeywell Defense & Space Electronic Systems, 13350 U.S. Highway 19 North, Clearwater, Florida 33764. The services and supplies to be procured include support for platform integration, modification and development of software for the H-764G family of Embedded Global Positioning System Inertial Navigation Systems (EGI) to facilitate necessary functionality as directed by the Chief of Naval Operations; software maintenance; flight test support; and test article kits. Aircraft & surface platforms to be supported by the BOA include but are not limited to C-2A, E-2C, H-53, H-1, F/A-18, EA-18G, V-22, C-130, VH-60N, VH-71A, LCAC, CH-46E, Foreign Military Sales (FMS), or other such platform's as approved and appropriated for by congress.

T4. The estimated total dollar amount, including options, of this action is: \$45,000,000

T5. This J&A approves the following type of action(s): (Coordinate with PCO)

☐ Single action

▪ New ~~Select type of Contract type~~ ~~Select Action Type~~

☒ Class of actions. If this is a Class J&A, it covers actions through 30 October 2013.

▪ New ~~Time and Material, Cost Reimbursable and FP type~~
~~orders under a BOA~~

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The quantities identified below are estimated and may be adjusted to reflect other such quantities as may be authorized and appropriated by Congress.

Description	Estimate QTY - Unit	Estimate Delivery Requirement / POP
Software Development and Modification	10	Nov 08 - Oct 13
Test and Integration Support	10	Nov 08 - Oct 13
Pre-Planned Product Improvement	10	Nov 08 - Oct 13
Engineering Change Proposals	10	Nov 08 - Oct 13
Product Qualification & Reports	10	Nov 08 - Oct 13
Spares and Repair Parts	120	Nov 08 - Oct 13
Platform Integration Kits	120	Nov 08 - Oct 13
Modification Kits	120	Nov 08 - Oct 13
Technical Manual Source Data	10	Nov 08 - Oct 13
Training Courses Source Data	10	Nov 08 - Oct 13

T7. This requirement will be funded with the following appropriations (appn):

WHO? Who is the only source?

T8. Honeywell International is the only source that can provide the above supplies or services and no other supplies or services will satisfy the program's requirements.

WHY is the source above the only one that can fulfill the requirement?

In accordance with Title 10 U.S.C 2304(c)(1) as cited in FAR 6.302-1, "Only one responsible source and no other supplies or services will satisfy agency requirements."

T9. Only the specified source can provide the above described supplies or services due to:

☒ Insufficient Technical Data and / or Rights The Government does not possess adequate data and / or the rights necessary to competitively award this requirement.

- Explain why the technical data is necessary for this acquisition:
Honeywell is the Original Equipment Manufacturer (OEM) of both hardware and software for the H-764G family of EGIs. This system provides the aircraft and integrated weapons with precision navigation information by integrating Global Positioning System (GPS) satellite signals and INS data. Honeywell is also the designer, developer, and manufacturer and has sole possession and proprietary rights to critical data, drawings and specifications required to supply these services. As the sole designer, developer, and OEM, Honeywell is therefore the only company that has the ability, resources, technology and documentation necessary to modify, develop, produce, maintain, and support these systems.
- Does the Government possess all the technical data required to competitively award this requirement?

☐ Yes

- If Yes, explain why the Government does not possess sufficient data rights for the competition of this requirement:

- If Yes, could the necessary rights to the data be purchased?

☐ Yes, the necessary rights could be purchased for an estimated \$ 1,000,000.

This amount was determined by FAA.

This amount is economically unfeasible due to FAA.

☐ No, explain; FAA

☒ No

- If No, explain why the Government does not possess sufficient technical data to competitively award this requirement.
It was not cost effective for the Government to procure proprietary rights of critical data, drawings, and specifications from the OEM.

- If No, could the necessary technical data and rights be purchased?
 - ☒ Yes, the necessary Data and Rights could be purchased for \$ \$53,800,000.00.
This amount was determined by estimating planned contract efforts that would require these data rights. The estimate was derived from existing Communication Navigation Surveillance/Air Traffic Management (CNS/ATM) and platform program EGI Non-Recurring Engineering (NRE), retrofit & procurement budgets. An estimate for data rights was requested from Honeywell. Honeywell has not formally responded to the request.
This amount is economically unfeasible due to the increased amortized cost per platform integration caused by data rights procurement. The cost of platform integrations would double or triple which would not be recovered through competition.
 - ☐ No, explain; .

☐ Special Tooling Only the referenced source has access to special tooling which is necessary to fulfill this requirement.

- Explain why the special tooling is necessary for this acquisition:
.
- Could the necessary special tooling be purchased?
 - ☐ Yes, the necessary tooling could be purchased for an estimated \$.
This amount was determined by .
This amount is economically unfeasible due to .
 - ☐ No, explain; .

☒ Substantial Duplication of cost (for follow-on actions only) The above source is deemed to be the only source available because an award to a source other than the original provider would result in a substantial duplication of cost which would not be recovered through competition.

- An estimated \$173,500,000.00 worth of work would be duplicated
- Explain in detail how this amount was determined Assuming the necessary data rights are not available to be purchased, a non H-764G EGI configuration would need to be missionized, qualified and installed in order to meet Communication Navigation Surveillance/Air Traffic Management (CNS/ATM) functional requirements. Actual costs to date show EGI missionizations usually cost at least \$3M for NRE per EGI configuration. Ten aircraft programs are currently fielded with H-764G EGIs. Assuming these platforms replaced their

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EGIs with a non-H-764G configuration the cost to modify and test the aircraft Operational Flight Profile (OFP) software for each platform would cost an estimated \$5M per platform. Replacement hardware would cost \$93.5M, resulting in duplication of costs in the amount of \$173.5M which would not be recovered through competition.

☒ Unacceptable delay of work (for follow-on actions only) The above source is deemed to be the only source available because an award to a source other than the original provider would result in an unacceptable delay in fulfilling the Government's requirements.

- Going to another source would create a delay of approximately 2.5 years
- Explain in detail how this delay estimate was determined **Actual period of performance from past EGI integration & test efforts**
- Explain in detail how the Government would be unable to meet its requirements by this delay **Platforms require EGI for position & timing data to navigate aircraft safely within theater and civil airspace. Weapons fired from aircraft require inputs from EGI to meet mission objectives. EGIs are integrated as part of the CNS/ATM program to meet worldwide mandates to fly in civilian airspace. If CNS/ATM is not integrated into U.S. aircraft they will be unable to operate in the Eupoean Theater of Operations which would drastically degrade the U.S. ability to perform missions. Aircraft platforms not equipped with GPS Selective Availability Anti-Spoofing Module (SAASM) capability may be denied participation in military theater operations.**
- Describe the specified source's ability to provide the needed supplies / services within the necessary timeframe.

Honeywell is the Original Equipment Manufacturer (OEM) of the H-764G family of EGIs. Honeywell is also the designer, developer, and manufacturer and has sole possession and proprietary rights to critical data, drawings and specifications required to supply these services. As the sole designer, developer, and OEM, Honeywell is therefore the only company that has the ability, resources, technology and documentation necessary to modify, develop, produce, maintain, and support these systems.

☐ Other

- Be specific and delineate why only the stated source can provide the above supplies or services.

HOW? / Background Further required information

T10. Is there a supporting acquisition planning document for this program?

☐ Yes

- If Yes, is the supporting acquisition planning document current?
(ensure legal counsel has a copy of the latest document)
 - ☐ Yes, it is current as of
 - ☐ No, explain;
- If Yes, is this J&A consistent with the content of the supporting acquisition planning document (including, if applicable MOPAS)?
 - ☐ Yes, it is consistent.
 - ☐ No, explain;

☒ No

- If No, why is there not a supporting acquisition planning document?
 - ☒ A supporting acquisition planning document is not required in accordance with DFARS 207.103 (d)(i)
 - ☐ Other, explain;

T11. Market Research and / or Survey.

☒ Performed

- Describe the research and / or survey that was conducted: Government research was conducted using the Internet, trade journals and magazines to determine if there were any other resources capable of meeting the Government's needs. From the results of this research, it was determined that Honeywell has maintained its status as the only contractor with access to the proprietary data and drawings necessary to provide the required supplies and services without a substantial duplication of cost. The synopsis required by FAR 5.201(b) was advertised on 20 Apr 2007. No responses were received.

☐ Not Performed

- No market research or survey was conducted due to:

T12. Follow-on Information: (Required for all actions)

- ☐ Will this requirement be acquired again?

☒ Yes

- If Yes, what is being done to remove barriers to competition?
 - ☒ Nothing, explain: Honeywell is the only contractor with the data necessary to perform the tasks required for this effort. The cost and time delays associated with future competitions will not be recouped and are unacceptable to the government. As detailed above, proprietary data rights are estimated to cost \$53.8M. This effort would also create a schedule delay of at least 30 months per platform to recreate hardware and

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software required to reproduce the functionality included in EGI and aircraft Mission Computer architecture as well as other functionality implemented for platform unique requirements.

☐ Actions such as, [redacted]

- If Yes, Will it be competed in the future?

☒ No, explain: Competition of this effort is not justified at this point in time. The determining factors as discussed above are not expected to change, however if future requirements arise the program office will perform market analysis to determine the feasibility of future competition. The government will continue to monitor this situation.

☐ Yes on [redacted]

☐ No, this is a one time buy.

☐ No, this a final buy.

- Is this for a follow-on requirement?

☐ Yes

- If Yes, Is the previous J&A attached?

☐ Yes

☐ No, explain:

☒ No